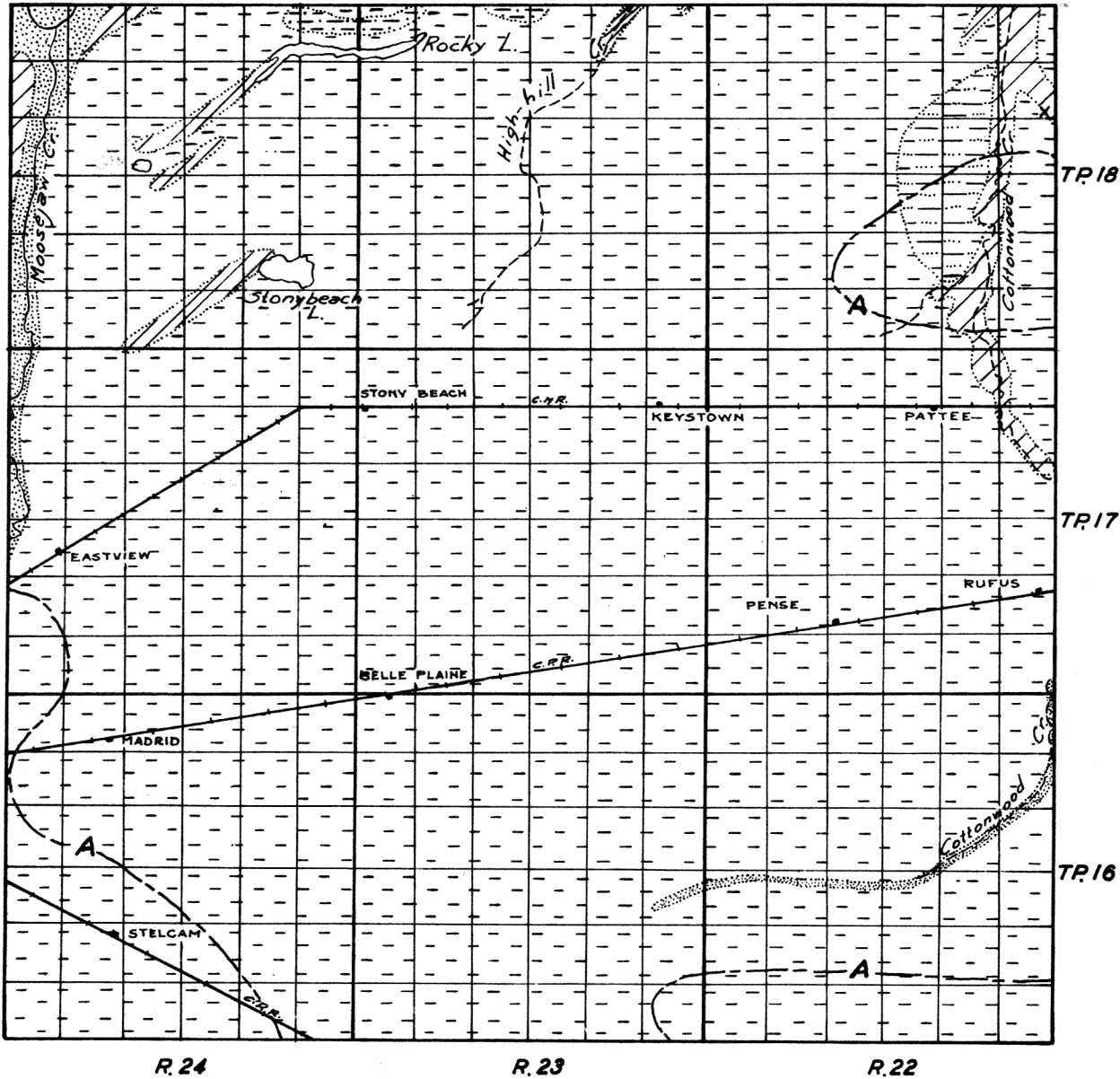


RURAL MUNICIPALITY OF PENSE NO-160, SASKATCHEWAN

FIGURE 1



Map showing the surface and bedrock geology as it affects the supply of ground water, and areas in which the ground water occurs

Recent stream deposits in which water is obtained at depths less than 20 feet

Glacial lake sands which are too thin to act as reservoirs for water
NOTE: Water is obtained from sand and gravel pockets in the underlying boulder clay

Glacial lake clay which yields no water
NOTE: Water is obtained from sand and gravel pockets in the underlying till, except in the central and south-central parts of the municipality

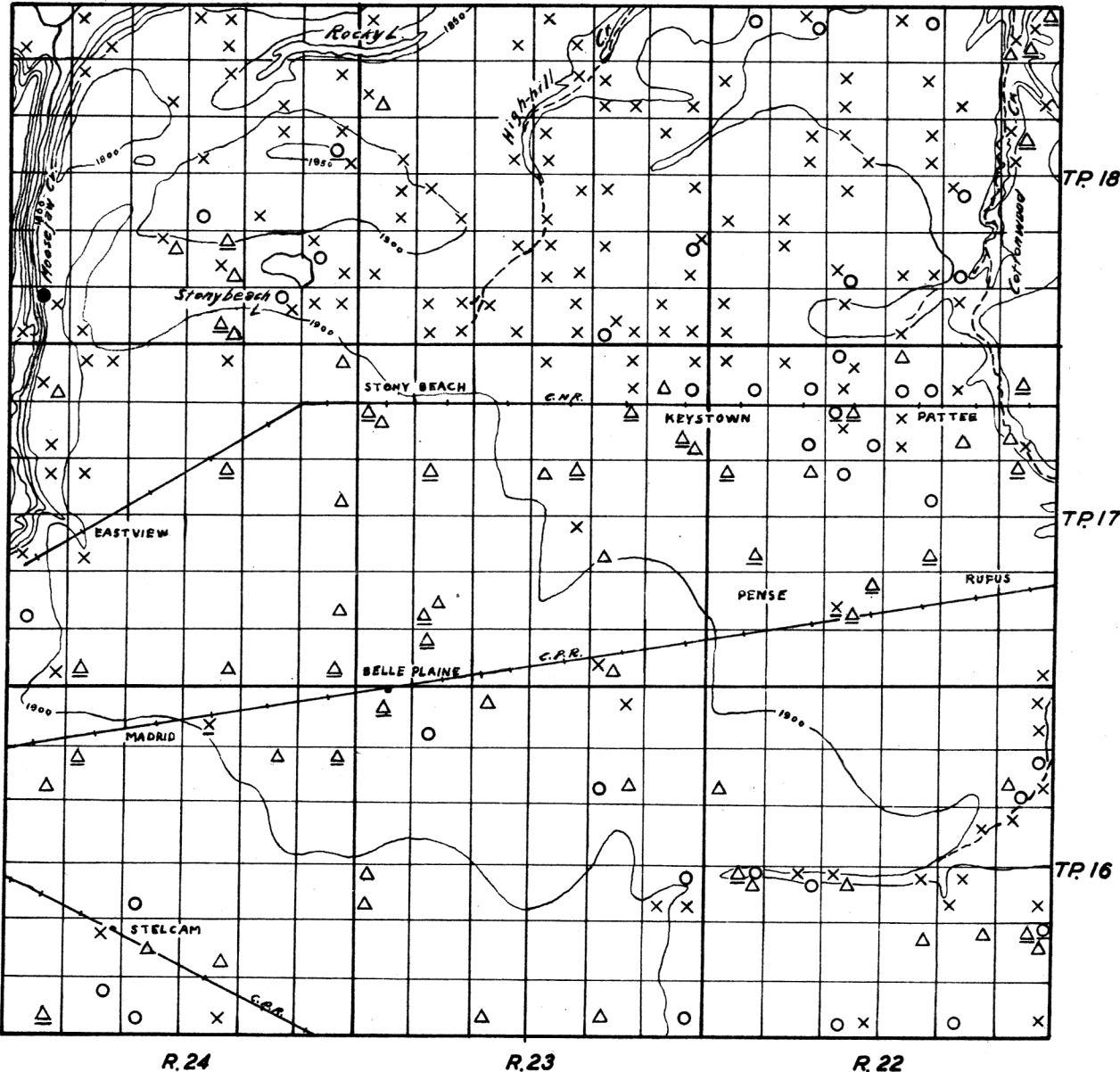
Glacial outwash sands and gravels in which water may be found at depths less than 15 feet

Glacial till or boulder clay (till plain) in which water occurs in sand or gravel pockets within 60 feet of the surface in the northern third of the municipality and at depths of 100 to 207 feet in the southeastern and southwestern corners

NOTE:
The Bearpaw formation immediately underlies the glacial drift throughout the municipality

Boundaries of three areas in which adequate water supplies are obtained from beds or pockets of sand or gravel in the boulder clay. These water-bearing pockets occur at depths of 60 to 80 feet in township 18, range 22, and at depths of 100 to 207 feet in the southeastern and southwestern corners of the municipality

FIGURE 2



Map showing the drainage and relief, and the location and types of wells with source of ground water supplies

Well class 1
In drift In bedrock

Flowing wells (These are usually designated as Flowing Artesian wells)

Well class 2
In drift In bedrock

Wells in which the water is under pressure but does not rise to the surface (These are usually designated as Non-flowing Artesian wells)

Well class 3
In drift In bedrock

Wells in which the water does not rise above the water table (These are usually designated as Non-Artesian wells)

Dry holes
In drift In bedrock

Contours (interval 50 feet)

0 3 6 9 12 15 18
Scale of miles